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		MLT-3164-L-5853	
		18 February 1971	r att
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	Officer-in-Charge	the state of the s	
	USA Communication Service Group Post Office Box 72		
	NAS Moffett Field, California 94035		
	Subject:		
e de la composition della comp	Gentlemen		
	Enclosed is Revision "C" to ATP 600000, the Acceptant for Light Table MLT-1540. The approved Acceptance revised to facilitate testing and to incorporate provision of all items, or equipment configurations, deliverable contract.	Test Plan is hereby ns for the acceptance	
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Declass review by NGA/DoD

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BUILDING, ROOM, ETC. ALLOTMENT SYMBOL	TO CO R1 R2	R3	R4	R5	R6	R7	R8	R9	R10
APPROVAL IMMEDIATE ACTION RECOMMENDATION AS REQUESTED INITIALS SEE ME CONCURRENCE NECESSARY ACTION SIGNATURE CORRECTION NOTE AND RETURN YOUR COMMENT FILING PER OUR CONVERSATION YOUR INFORMATION FULL REPORT PER TELEPHONE CONVERSATION ANSWER OR ACKNOWL- EDGE ON OR BEFORE PREPARE REPLY FOR THE SIGNATURE OF						BUILDING	, ROOM,	ETC.	
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PREPARE REPLY FOR THE SIGNATURE OF	FULL REPORT	[] PI	ER TELEPH	ONE CON	NVERSAT	TON			
THE SIGNATURE OF	ANSWER OR ACKNOWL- EDGE ON OR BEFORE					_			
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	ATP Joi	? Y	ol	'Ne re)	Lu	tu	00	1/1	raj
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	OM CO R1 R2	R3	R4	R5	R6	R7	R8	R9	R10
OM CO R1 R2 R3 R4 R5 R6 R7 R8 R9 R10				BUILDIN	NG, RO	OM, ETC.			
OM CO R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 BUILDING, ROOM, ETC.				i i					

	or Release 2005/06/23 : CIA-RDP	ATP	600000
	CLASSIFICATION	SHEET 1 OF	6
TITLE		. USED ON	
4		DATE	MLT-1540
ACCEPTANCE TEST PROC	EDURE FOR LIGHT TABLE N	MLT-1540 300	CT70
	•	REVISION (See last shee for record)	t Rev. C
	•	i tot record)	
,		~	
,			
•	•		
	•		***.
	SERIAL NUMBER_		
	TEST BY -		
	DATE		
•			
	TIME		
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	• ,		
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	,		
0:	nis item has successful f the requirements as i n the body of this proc	temized and checked	
			
•	Date	Signature	

			CLASSIFICATION	ATP 600000
			· ·	SHEET NO. 2
1.0	PURPO	SE ·		
	the Mo		able, MLT-1540, meets	edure is to verify that sits functional and
2.0	EQUIP	MENT REQUIRED		
	2.1	MLT-1540 comp	plete per Draw	ring No. 600300 and 60010
	2.2	Test film as	follows:	
		9.5 inches	wide, 4 mil base, 1,0	000 foot, ralroll
		5 inch fil	lm, 1,000 foot, 2 rol	lls
		70mm film	, 1,000 foot, 2 rolls	3
	2.3			n the number of films
	2.4	Stop watch		•
	2.5	GFE foot lam	bert meter: (Weston Mo	odel 759)
3.0	ACCEP	TANCE TEST		
	be no		fication of each of t pector's stamp or in	the following items shall itials in the space
	3.1	Mechanical a	nd visual inspection	
		conformance 600300 and 6 as covers, 1 to assure pr binding. Qu	atches and gear mech oper fit and operationality of workmanship	
	2.0	0		
	3.2	(220 VAC for	e to 117 VAC, 25 amp -5 configuration)	·
	3.3	•	on to max intensity,	both sides.
	3.4	•	<pre>ime turned on. elevating mechanism.</pre>	Time on
	· · ·	(Not applica	ble to -1 configurat and min distance from -1 1" Min = 22" ±	

	Ар	proved For Release 20	05/06/23 : CIA-RDP78B0517140004	1		
				ATP	600000	
			· ·	SHEET NO.	3	
,	3.5	Check operation for smoothness	of manual hand crank ele	vation	·	
	3.6		e motion system with tabl weight of optics (\simeq 10			
			required to move carriage ngaged in x and y directioth axis)			- Ox
. •		speed contro will not mo	powered in x and y axis ol set at 0, verify that we bridge. (Not applical	10 lbs		
		(3" travel	in consistant speed, x ax \geq 60 seconds without s	tallin	g.)	
÷		d) Determine m: (3" travel	able to -1 & -3 configuration consistant speed, y ax \geq 60 seconds without so $\frac{1}{2}$ configurations.	is. tallin	g.)	·
			able to -l & -3 configura t horizontal table is lev		۰.	
	3.7	Operate tilt med configuration) a) Note that for	chanism. (Not applicable			
	3.8	and weight of opto -1 configura a) Check opera y axis move	tion of "Fail-Safe" syste ment. (Include x axis ch	applic m for	able	
		(3 " travel (Not applies c) Determine m (3 " travel	in consistant speed, x ax \geq 60 seconds without sable to -3 configuration) in consistant speed, y ax \geq 60 seconds without s	stallin sis. stallin		
	3.9	Return table to indicator on op-	able to -3 configuration) level position. Mount of tics holder with weight of k for carriage drift.(No	lial of opti		
	3.10	movement of dial Check paralleli surfaces with d	sm of optics carriage to	format	,	
		a) Note max de	viation. (within 1015 i	nches)		
	3.11		ft rolls of 70mm film, rup.and emulsion down.	normal		
			o rewind, both rolls at a direction. (\leq 3 min)	same ti	me,	
		b) Note tracki	ng characteristics.			

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•		23.10.10.000	05/06/23 : CIA-RDP78B0517	ATP 60000	0
			CLASSIFICATION	SHEET NO. 5	
	d)	Note min illurestricted ar	uminiation in	res. area	
	Set	left illumina	ation at minimum.		
	ej)	Note reading (≤ 200 F.L.)	at format center.	Min illum.	· · ·
	Set	right illumin	nation at minimum.		124
	f)		on from previous min.) Ref. 3.15 d)	deviation	
	Ret	urn illuminati	ion, both sides, to max	•	
3.16	111	umination on	right format surface.		
	a):	Set center of	cright format to 3,000	F.L. Verify.	• • •
			o minimum?	E8 (1.77.97	
	D)	Note deviation (m.± 1150 R.L.)	on from previous reading	deviation	·
	Ret	urn left forma	atito maximum. 3		
	c >)	Note minimum entire surfa	illumination over ce.	ent. surf.	
	_ a :)	Note minimum restricted a	illumination in rea.	res. area	
	Set	illumination	at minimum.		
	e!)	Note reading $(\leq 200 \text{ F.L.})$	at format center.	Min illum.	
	Set	left illumin	ation at minimum.		
	f :)		on from previous min.) Ref. 3.16 e).	deviation	
3.17	Obs	erve light so	ources for evidence of i	Clicker.	٠.
	a)	Set both at	max. Verify no objecti	onable flicker.	
	b)	Set both at	min. Verify no objecti	onable flicker.	·
3.18	Fil	Lm masking sys	stem.		
	a)	Insure lamps	s extinguish in proper s	equence.	·
		•			

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DOCUMENT NO. 00400030002-8

SHEET NO. 6

-			AUTHORITY		
	REV	SH	DESCRIPTION	DATE	AUTHORITY
	A		Deleted paragraphs 3.10, 3.14 a) through d), 3.15 a), c), e).		
·			Revised paragraph 3.16 a)		
		-	Reason: To eliminate destructive tests, reduce test time and for clarification.		*
4770ju rine ju st. 1	В		Revised entire test sequence to facilitate more efficient testing.		
			Deleted paragraphs 3.6, 3.7, 3.8		
			Reason: Items are covered in 3.1		
			Paragraph 3.4 Added + 1" tolerance		
•	-		Paragraph 3.9 Added "No visable movement of dial."		, î
	С		Added provisions for -1, -3, -4 & -5 configurations.		
				· · · · · · · · · · · · · · · · · · ·	
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ГАТ	-				

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Physical Measurements of Caurane Assembly of the 1540 Model II

STAT

101 Telocity of carrage in the X and y directions

+ X is to the right

+ Y is to the rear

+ 2 is up

+ ,	mm	mumi	speed		mas	mum	Speed	C
	Havison	41	filte	<u>(</u>			ti/tec	
+ X - X	.036	"	.032	, e t	.555	. 4	.560	и
- y	.031	1	,018	4	,502	4	.482	

once a velocity had been chosen the velocity warred

no move than 5%

.2 Force to move locked carrage in X and y

-	Sta	tie	Dynamic			
	Hovizon tal	filled	Hovizontal			
+×	10 lbr	14 lbs	10 lbr	9 lbr		
-×	10 "	12 a	10 "	9		
	34 "		24 .	, ,		
/	30 "	15 9	22 1	8 "		

Force to move unlarked courage is X and Y 1.3 directions

•	Stati	Dynamic					
+	How is filted		Hoviz				
+×	1.5 lbr .75 ". 1.5 ".	1.5	lbr	1,5	lbr	1.5	lbr
- ×	.75	,75	. 4 .	.75	<i>i</i> ,	175 T	, <u>, '</u> , <u>.</u> .
47	1.5 "	exass of 45	· 4	1.5	4	-	. 4.
-y	1.5 "	15	. 11	1.5	1	.8.	Z1 .

Slop (locked on mode only) 1.4

limits of free motion to a place or rest

Hoviyon tel AX ,009 in

DY .0005 in

til ted

Force to vaise and twood ring assembly

Pod + Rhomboids weighing, 6lbr 13 of were in place 5-ta-4c

dynami c

Kwiz lilted Horiz Hed

12 13 les 17 lh 13 lb 17 lb

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1.6 Drift is virten direction

a weight of 11 llos 9.5 of was placed on the ring assembly a Sisphicement measured with a dial indicator

distance 0.000 inches time laps 40 minutes

1.7 Elasticity

deflection per force applied all forces were applied through the option! axis with the carrier contined on the format.

a force of 10 lbs, was applied mall cases and the measurement of deflection are made in the direction at force.

+X ,063 mules -X .037 " +Y .021 " -Y .022 " +Z not measured -Z .018 "

18 November 1970 15°Tilt - Constant Speed Setting 0.129 in/acc $\frac{225}{129} = 1.74$ 0.225 in/acc $\frac{225}{125} = 1.29$ 175 = 1.36 10.175 vi/ace 0.225 inface 0.227 in/acc 227 = 1.59 227 = 1.4/ 161 = 1,13 0° Titt

0.147 in/ac

0.227 in/ace

0.227 in/ace

152 = 1.49

152 = 1.23 Approved For Release 2005/06/23 : CIA-RDP78B05171A000400030002-8

Minemeries Speeds

1018 m/see

1029 = 1.61,

1032 = 1.21

1024

1018 | 1029 = 1.21

1018 | 1018 | 1018

1024 | 1022 = 1.33

1024 | 1032 = 1.33

Maximum Speeds

1.552 = 1.14

1.560

1.536

1.536

1.536

1.536

1.536

1.536

1.536

1.536

1.536

1.536

1.536

1.536